As a below named inventor, I her	eby declare that:		
My residence, post office address and citizenship are as stated below next to my name,			
believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:			
METHOD AND AP INFORM the specification of which (chec as Appln. Serial No. 09/654,3 (if applicable). I hereby state the specification, including the claim	MATION RETRIEVAL k one) [ ] is attached he 65 tat I have reviewed and u	ereto. [x] was filed on and was amended on nderstand the contents of the	9/1/00
I acknowledge the duty to disclosin accordance with Title 37, Code	se information which is n	naterial to the patentability o	of this application
I hereby claim foreign priority be application(s) for patent or inven application for patent or inventor which priority is claimed:	enefits under Title 35, Un tor's certificate listed bel	ited States Code, Section 11 ow and have also identified	any foreign
Prior Foreign Application(s)			Priority Claimed [_] Yes [_] No
(Number)	(Country)	(Day/Month/Year filed)	_ (_) 103 (_)140
I hereby claim the benefit under applications(s) listed below.	Γitle 35, United States Co	ode, 119(e) of any United St	ates provisional
60/152,255		9/3/99	
(Application	Number)	(Filing Date)	
I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date for this application:			
(Appln. Serial No.)	(Filing Date)	(Statuspatented, pending	g, abandoned)

	Attorney Do	ocket No.	99-426
I hereby appoint the following attor business in the Patent and Tradema	ney(s) and/or agent(s) rk Office connected th	to prosecute this ap erewith:	plication and to transact all
Leonard C. Suchyta	, Reg. No. 25,707, and	d James Weixel, Ro	eg. No. 44,399
Address all telephone calls to _J	ames K. Weixel	at telephon	ne no. <u>(781) 466-2220</u>
Address all correspondence to	Leonard C. Suchy	ta	_
	Verizon Services C 600 Hidden Ridge, Irving, TX 75038		
I hereby declare that all statements made on information and belief are the knowledge that willful false state or both, under Section 1001 of Title may jeopardize the validity of the analysis.	e believed to be true; and atements and the like so e 18 of the United Stat	nd further that these o made are punishat tes Code and that su	statements were made with ble by fine or imprisonment,
FULL NAME OF SOLE OR FIRST	INVENTOR Huaichu	an Hubert Jin	
Inventor's signature		Date	i/10/2000
Residence Hershey, Penn	sylvania	_ Citizenship _	P.R. China
Post Office Address 212 J	Jacob's Creek Dr., Hers	hey, PA 17033	
FULL NAME OF SECOND INVEN	TOR Richard	Schwartz	
Inventor's signature		Date	
Residence Sudbury, Mas	sachusetts	_ Citizenship _	USA
Post Office Address 200	Peakham Road, Sudbur	y, MA 01776	
FULL NAME OF THIRD INVENT	OR <u>Frederi</u>	ck G. Walls	
Inventor's signature			
Residence Lake Forest,			USA
Post Office Address 2276	10 Lake Forest Dr., Ant	. 337. Lake Forest. C	CA 92630

Attorney I	Docket No. 99-426	
FULL NAME OF FOURTH INVENTOR Sreeniv	asa P. Sista	
Inventor's signature	Date	
Residence Chestnut Hill, Massachusetts	Citizenship India	
Post Office Address 64 Byron Road, Apt. 14, Ch	nestnut Hill, MA 02467	

As a below named inventor, I hereby declare that:			
My residence, post office address and citizenship are as stated below next to my name,			
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:			
METHOD AND APPARATUS FOR SCORE NORMALIZATION FOR INFORMATION RETRIEVAL APPLICATIONS  the specification of which (check one) [] is attached hereto. [x] was filed on 9/1/00 as Appln. Serial No. 09/654,365 and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.			
I acknowledge the duty to disclose in accordance with Title 37, Code	e information which is m of Federal Regulations,	aterial to the patentability of Section 1.56(a).	this application
I hereby claim foreign priority ben application(s) for patent or inventor application for patent or inventor's which priority is claimed:	or's certificate listed belo	ow and have also identified a	ny foreign
Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year filed)	[_] Yes [_] No
I hereby claim the benefit under Tapplications(s) listed below.	itle 35, United States Co	de, 119(e) of any United Sta	tes provisional
60/152,255 (Application I	Number)	9/3/99 (Filing Date)	
I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date for this application:			
(Appln. Serial No.)	(Filing Date)	(Statuspatented, pending,	abandoned)

Attorney Docl	ket No. 99-426
I hereby appoint the following attorney(s) and/or agent(s) to business in the Patent and Trademark Office connected there	
Leonard C. Suchyta, Reg. No. 25,707, and J	James Weixel, Reg. No. 44,399
Address all telephone calls to James K. Weixel	at telephone no. (781) 466-2220
Address all correspondence to  Leonard C. Suchyta  Verizon Services Gro 600 Hidden Ridge, H Irving, TX 75038	
I hereby declare that all statements made herein of my own legister on information and belief are believed to be true; and the knowledge that willful false statements and the like so more both, under Section 1001 of Title 18 of the United States may jeopardize the validity of the application or any patent in the section of the section	further that these statements were made with made are punishable by fine or imprisonment, Code and that such willful false statements issued thereon.
FULL NAME OF SOLE OR FIRST INVENTOR Huaichuan	
Inventor's signature	Date
Residence Hershey, Pennsylvania	Citizenship P.R. China
Post Office Address 212 Jacob's Creek Dr., Hershey	y, PA 17033
FULL NAME OF SECOND INVENTOR Richard Sci	hwartz
Inventor's signature Richard M. Schwart	Date <u>Dec 6, 2000</u>
Residence Rockville, MD	Citizenship USA
Post Office Address 1691 Yale Place, Rockville, MD 208	350
FULL NAME OF THIRD INVENTOR Frederick C	G. Walls
Inventor's signature	Date
Residence Lake Forest, California	Citizenship USA
Post Office Address 22700 Lake Forest Dr., Apt. 337	7 Lake Forest CA 92630

## PATENT Docket No. 99-426CON1

	Attorney Docket No.	99-426
FULL NAME OF FOURTH INVENTOR	Sreenivasa P. Sista	
Inventor's signature	Date	
Residence Chestnut Hill, Massachus	setts Citizenship	India
Post Office Address 14 Byron Road.	. Apt. 4. Chestnut Hill, MA 02	467

As a below named inventor, I hereby declare that:			
My residence, post office add	lress and citizenship are a	is stated below next to my name	,
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:			
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I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).			
application(s) for patent or i	nventor's certificate listed	, United States Code, Section 11 below and have also identified a filing date before that of the ap	any foreign
Prior Foreign Application(s)			Priority Claimed [ ] Yes [ ] No
(Number)	(Country)	(Day/Month/Year filed)	
I hereby claim the benefit un applications(s) listed below.		es Code, 119(e) of any United S	tates provisional
60/152,	255	9/3/99	
<del></del> :	ation Number)	(Filing Date)	
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(Appln. Serial No.)	(Filing Date)	(Statuspatented, pendin	g, abandoned)

Attorney Dock	ket No. <u>99-426</u>
I hereby appoint the following attorney(s) and/or agent(s) to business in the Patent and Trademark Office connected there	
Leonard C. Suchyta, Reg. No. 25,707, and J	ames Weixel, Reg. No. 44,399
Address all telephone calls to James K. Weixel	at telephone no. (781) 466-2220
Address all correspondence to  Leonard C. Suchyta  Verizon Services Gro 600 Hidden Ridge, H Irving, TX 75038	<u>-</u>
I hereby declare that all statements made herein of my own made on information and belief are believed to be true; and the knowledge that willful false statements and the like so n or both, under Section 1001 of Title 18 of the United States may jeopardize the validity of the application or any patent	further that these statements were made with made are punishable by fine or imprisonment, Code and that such willful false statements
FULL NAME OF SOLE OR FIRST INVENTOR Huaichuan	Hubert Jin
Inventor's signature	Date
Residence Hershey, Pennsylvania	Citizenship P.R. China
Post Office Address 212 Jacob's Creek Dr., Hershey	y, PA 17033
FULL NAME OF SECOND INVENTOR Richard Sc	hwartz
Inventor's signature	Date
Residence Sudbury, Massachusetts	Citizenship USA
Post Office Address 200 Peakham Road, Sudbury,	MA 01776
FULL NAME OF THIRD INVENTOR Frederick	G. Walls
Inventor's signature Frederick F. Walls	Date 11/6/00
Residence Lake Forest, California	Citizenship USA
Post Office Address 22700 Lake Forest Dr. Ant 33	37 Lake Frest CA 92630

### EXPRESS MAIL NO. ER054264310US

PATENT Docket No. 99-426CON1

A	ttorney Docket No. 99-426
FULL NAME OF FOURTH INVENTOR	Sreenivasa P. Sista
Inventor's signature	Date
Residence Chestnut Hill, Massachuset	ts Citizenship India
Post Office Address 64 Byron Road, A	pt. 14, Chestnut Hill, MA 02467

My residence, post office address and citizenship are as stated below next to my name,  (believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  METHOD AND APPARATUS FOR SCORE NORMALIZATION FOR INFORMATION RETRIEVAL APPLICATIONS  the specification of which (check one) [ ] is attached hereto. [ x ] was filed on 9/1/00 as Appln. Serial No. 09/654,365 and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
And joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  METHOD AND APPARATUS FOR SCORE NORMALIZATION FOR INFORMATION RETRIEVAL APPLICATIONS  the specification of which (check one) [ ] is attached hereto. [ x ] was filed on 9/1/00 as Appln. Serial No. 09/654,365 and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
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I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:
Prior Foreign Application(s)  Priority Claimed  [ ] Yes [ ] No
(Number) (Country) (Day/Month/Year filed)
I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional applications(s) listed below.
60/152,255 9/3/99
(Application Number) (Filing Date)
I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States
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Attorney	Docket No. 99-426
I hereby appoint the following attorney(s) and/or agent business in the Patent and Trademark Office connected	(s) to prosecute this application and to transact all therewith:
Leonard C. Suchyta, Reg. No. 25,707,	and James Weixel, Reg. No. 44,399
Address all telephone calls to James K. Weixel	at telephone no. (781) 466-2220
Address all correspondence to  Leonard C. Suc  Verizon Service 600 Hidden Rid Irving, TX 7503	s Group ge, HQE03G13
I hereby declare that all statements made herein of my made on information and belief are believed to be true the knowledge that willful false statements and the like or both, under Section 1001 of Title 18 of the United S may jeopardize the validity of the application or any p	; and further that these statements were made with e so made are punishable by fine or imprisonment, states Code and that such willful false statements
FULL NAME OF SOLE OR FIRST INVENTOR Huaid	chuan Hubert Jin
Inventor's signature	Date
Residence Hershey, Pennsylvania	Citizenship P.R. China
Post Office Address 212 Jacob's Creek Dr., H	ershey, PA 17033
FULL NAME OF SECOND INVENTOR Richard	ard Schwartz
Inventor's signature	Date
Residence Sudbury, Massachusetts	Citizenship USA
Post Office Address 200 Peakham Road, Sudl	oury, MA 01776
FULL NAME OF THIRD INVENTOR Fred	erick G. Walls
Inventor's signature	Date
Residence Lake Forest, California	Citizenship USA
Post Office Address 22700 Lake Forest Dr., A	pt. 337, Lake Forest, CA 92630

	Attorney Docket No.	99-426
FULL NAME OF FOURTH INVENTOR	Sreenivasa P. Sista	
Inventor's signature	Date _	11/30/2000
Residence Chestnut Hill, Massachus	etts Citizensh	nip India
Post Office Address 14 Byron Road.	Apt. 4. Chestnut Hill, MA	02467



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

MARCH 21, 2001

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VERIZON SERVICES GROUP LEONARD CHARLES SUCHYTA 600 HIDDEN RIDGE, HQE03G13 IRVING, TX 75038

> UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/21/2000

REEL/FRAME: 011409/0506

NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JIN, HUAICHUAN HUBERT

DOC DATE: 11/10/2000

ASSIGNOR:

SCHWARTZ, RICHARD

DOC DATE: 12/06/2000

ASSIGNOR:

WALLS, FREDERICK G.

DOC DATE: 11/06/2000

ASSIGNOR:

SISTA, SREENIVASA P

DOC DATE: 11/30/2000

ASSIGNEE:

BBNT SOLUTIONS, LLC 10 MOULTON STREET

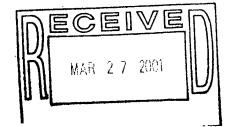
CAMBRIDGE, MASSACHUSETTS 02138

SERIAL NUMBER: 09654365

FILING DATE: 09/01/2000

PATENT NUMBER:

ISSUE DATE:



011409/0506 PAGE 2

MARCUS KIRK, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

#### EXPRESS MAIL NO. ER054264310US

4310US 01 - 12 - 2001 PATEN

Docket No. 99-426CON1

U.S. DEPARTMENT OF COMMERCE

State: MA ZIP: 02138

X No

Patent and Trademark Office

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₩.	MRD	12-21	-00

settings ⇔ ⇔ ⇔	▼ ▼	
To the Honorab	le Commissioner of Pat	е
1. Name of con	veying party(ies):	
	Huaichuan Hubert Jii	n
	Richard Schwartz	
	Frederick G. Walls	
Additional name(s) o	f conveying party(ies) attached?	
3. Nature of con	iveyance:	

FORM PTO-1535

OMB No 0651-0011 (exp. 4/94)

....... attached original documents or copy thereof.

2. Name and address of receiving party(ies):

Name: BBNT SOLUTIONS LLC

Internal Address:

Street Address: 10 Moulton Street

Execution Date: 11/10/00, 12/6/00, 11/6/00, 11/30/00

4. Application number(s) or patent number(s):

☐ Merger

☐ Change of Name

Additional numbers attached?

ZIP: 75038

99-426

If this document is being filed together with a new application, the execution date of the application is:

X No

Additional name(s) & address(es) attached?

A. Patent Application No.(s)

Security Agreement

09/654,365

Assignment

Other

B. Patent No.(s)

Yes

City: Cambridge

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leonard Charles Suchyta

Internal Address: Verizon Services Group

Street Address: 600 Hidden Ridge, HQE03G13

\_ State: TX

6. Total number of applications and patents involved:

Enclosed

 $oxed{X}$  Authorized to be charged to deposit account

8. Deposit account number:

07-2339

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

City: Irving

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James K. Weixel, Reg. No. 44,399
Name of Person Signing

Signature

12/18/2000

Total number of pages including cover sheet, attachments, and documents

FORM PTO-1595	RECORDATION FOR	M COVER SHEET	`U.S.	DEPARTMENT OF COMMERCE
(Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)		TS ONLY		Patent and Trademark Office
1. Name of conveying party(i	ies):	OIPE		
Sreenivasa P. Si	sta	DEC 2 1 2000	208	
		PADEMARK PADEMARK	<b>3</b>	
Additional name	(s) of conveying party(ies)		'es No	X
2. Name and address of receivi	ng party(ies):			
Name:				
Internal Address:				
Street Address: City:	State: 2	ZIP:		
Name:				
Internal Address:				
Street Address: City:	State: 2	ZIP:		
Additional name(s)	& address(es) attached?	Yes	No X	
4. Application number(s) or pa	atent number(s):			
If this document is being filed	together with a new applic	cation, the execution	n date of the appl	ication is:
A. Patent A	Application No.(s)	1	B. Patent No.(s)	
	<del></del>			
				•
<u>.</u>				<del></del>
Additi	ional numbers attached?	Yes 🗌	No X	

PATENT
Docket No. 99 426 PNV ENTORS)
99-426

### ASSIGNMENT

For good and valuable consideration which we hereby acknowledge,

we,

Huaichuan Hubert Jin Richard Schwartz Frederick G. Walls Sreenivasa P. Sista

residing (respectively) at

212 Jacob's Creek Dr., Hershey, PA 17033 200 Peakham Road, Sudbury, MA 01776 22700 Lake Forest Dr., Apt. 337, Lake Forest, CA 92630 64 Byron Road, Apt. 14, Chestnut Hill, MA 02467

sell and assign to BBNT SOLUTIONS LLC, a Delaware corporation, its successors and assigns (hereinafter "Company"), all right, title and interest in our invention in

## METHOD AND APPARATUS FOR SCORE NORMALIZATION FOR INFORMATION RETRIEVAL APPLICATIONS

	Inventor	74.5	Date	11/10/2000
	Address	Huaichuan Hubert Jin 212 Jacob's Creek Dr., Hershey, PA 17033		
Witness	4	udo	Date	11/10/2000
Address	120	Jacob's creek DY., Hershey, PAI	1633	
Witness	Xia	newen XIe	Date	11/10/2000
Address	212	Jacobis creek pr, Hershey, p.	A-17033	
	Inventor		Date	e
	Address	Richard Schwartz 200 Peakham Road, Sudbury, MA 001776	-	
Witness			Date	
Address				
Address Witness	<del></del>		Date	

### EXPRESS MAIL NO. ER054264310US

# 

	Inventor			Date
	Address	Frederick G. Walls 22700 Lake Forest Dr., Apt. 337, Lake For	est, CA 92630	
Witness			Date	
Address				
Witness			Date	
Address				
	Inventor		_	Date
	Address	Sreenivasa P. Sista 64 Byron Road, Apt. 14, Chestnut Hill, M.	A 02467	
Witness			Date	
Address				
Witness			Date	
Address				

### **ASSIGNMENT**

For good and valuable consideration which we hereby acknowledge,

we, Huaichuan Hubert Jin Richard Schwartz Frederick G. Walls Sreenivasa P. Sista

residing (respectively) at

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## METHOD AND APPARATUS FOR SCORE NORMALIZATION FOR INFORMATION RETRIEVAL APPLICATIONS

	Inventor		Date	
	Address	Huaichuan Hubert Jin 212 Jacob's Creek Dr., Hershey, PA 17033	- -	
Witness			Date	
Address				
Witness			Date	
Address				
	Inventor	Richard M. Shworty	Date	Dec 6, 2000
	Address	Richard Schwartz 1691 Yale Place, Rockville, MD 20850	-	
Witness	Ch	risty Anders	Date	Der. 6, 2000
Address	8601 EULI	COTT CHY, MD 21043		
Witness	mu		Date	12/6/2000
Address	873 Lau	o Cardidal Parest Circle rel MO 20723		

## Docket No. 99-426CON1 Attorney's Docket No. 99-426

	Inventor		Date
	Address	Frederick G. Walls 22700 Lake Forest Dr., Apt. 337, Lake Forest, CA 92630	
Vitness		Date	
.ddress		··········	
Vitness		Date	
ddress			
	Inventor		Date
	Address	Sreenivasa P. Sista 14 Byron Road, Apt. 4, Chestnut Hill, MA 02467	
Vitness		Date	
ddress			
Vitness		Date	
ddress			

PATENT
Docket No. 99(4266GQN/LENTORS)
99-426

#### ASSIGNMENT

For good and valuable consideration which we hereby acknowledge,

we,

Huaichuan Hubert Jin Richard Schwartz Frederick G. Walls Sreenivasa P. Sista

residing (respectively) at

212 Jacob's Creek Dr., Hershey, PA 17033200 Peakham Road, Sudbury, MA 0177622700 Lake Forest Dr., Apt. 337, Lake Forest, CA 9263064 Byron Road, Apt. 14, Chestnut Hill, MA 02467

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## METHOD AND APPARATUS FOR SCORE NORMALIZATION FOR INFORMATION RETRIEVAL APPLICATIONS

	Inventor		Date
	Address	Huaichuan Hubert Jin 212 Jacob's Creek Dr., Hershey, PA 17033	
Witness	<del></del>		Date
Address			
Witness		·	Date
Address			
	Inventor		Date
	Address	Richard Schwartz 200 Peakham Road, Sudbury, MA 001776	-
Witness			Date
Address			
Witness			Date
Address			

	Inventor	Frederick D. Walls	Date	11/6/00
	Address	Frederick G. Walls 22700 Lake Forest Dr., Apt. 337, Lake Forest, CA 92630		
Witness	$\overline{}$	G Rosings, Mission Viejo, CA 912	6 -	00
Address	XAGA	G Rosings, Mission Viejo, CA 912	692	
Witness	1	IKE IKIZYAN Date Nove	enber	-6,2000
Address	433 \$	ANTA MARIA DR., IRVINE, CA 92606		
	Inventor_		Date	
	Address	Sreenivasa P. Sista 64 Byron Road, Apt. 14, Chestnut Hill, MA 02467		
Witness	<del></del>	Date		
Address				
Witness		Date		
Address				

PATENT
Docket No. 99-426CON1
(JOINT INVENTORS)
... 99-426

### **ASSIGNMENT**

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we.

Huaichuan Hubert Jin Richard Schwartz Frederick G. Walls Sreenivasa P. Sista

residing (respectively) at

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	Inventor		Date	_
	Address	Huaichuan Hubert Jin 212 Jacob's Creek Dr., Hershey, PA 17033	-	
Witness			Date	_
Address				
Witness			Date	_
Address				
	Inventor		Date	_
	Address	Richard Schwartz 200 Peakham Road, Sudbury, MA 001776	_	
Witness			Date	
Address				
Witness			Date	
Address				

Attorney's Docket No. 99-426CON1

	Inventor		Date
	Address	Frederick G. Walls 22700 Lake Forest Dr., Apt. 337, Lake Forest, CA 92630	<del></del>
Witness		Date	
Address			
Witness		Date	
Address			
	Inventor	denad	- Date 11/30/2000
	Address	Sreenivasa P. Sista  14 Byron Road, Apt. 4, Chestnut Hill, MA 02467	
Witness	4	CO LEEK Date	130/2000
Address	21	Fair field Street, Cambridg, MA	25140
Witness	<u>/</u> X	Jinxi Xu)Date 11/	30/2000
Address	280	St Steams Mill RD Waltham,	MA02411